CLAIMS

1. A method for treating a skin disorder comprising introducing a polynucleotide subcutaneously using a needleless syringe.

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2. A method for treating a skin disorder comprising injecting/subcutaneously introducing a polynucleotide around diseased skin using a needleless syringe.

3. The method of claim 1 or 2, wherein the polynucleotide is selected from a DNA, oligonucleotide, RNA, siRNA, and antisense.

4. The method of any one of claims 1 to 3, comprising injecting/subcutaneously introducing 10 μ g to 10 mg of the polynucleotide per dose in portions to multiple sites around the diseased skin.

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5. The method of any one of claims 1 to 4, wherein the needleless syringe injects a pharmaceutical liquid by using a gas pressure or an elastic force of an elastic member to drive a piston.

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- 6. The method of claim 5, wherein the gas is helium, nitrogen, or air, and the elastic member is a spring.
- 7. The method of any one of claims 1 to 6, wherein the polynucleotide is hepatocyte growth factor (HGF) gene and/or prostacyclin synthetase (PGIS) gene.

- 8. The method of any one of claims 1 to 7, wherein the oligonucleotide is an NF-κB decoy oligonucleotide comprising the sequence of SEQ ID NO: 1 or 2.
- 9. The method of any one of claims 1 to 8, wherein the skin disorder is a wound, cutaneous ulcer, or psoriasis.
 - 10. The method of any one of claims 1 to 9, wherein the wound is a post-surgical wound or a wound caused by an injury or accident.
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- 11. The method of any one of claims 1 to 10, wherein the cutaneous ulcer is an intractable cutaneous ulcer.

- 12. The method of any one of claims 1 to 11, wherein the intractable cutaneous ulcer is a diabetic ulcer, bedsore (pressure ulcer), or ulcer associated with venous or arterial insufficiency.
- 13. A method for treating a wound or cutaneous ulcer, comprising injecting/subcutaneously introducing an HGF gene and/or PGIS gene around diseased skin using a needleless syringe.
- 14. The method of claim 13, comprising injecting/subcutaneously introducing the HGF gene and PGIS gene around the diseased skin using a needleless syringe.
 - 15. A method for treating psoriasis, comprising injecting/subcutaneously introducing an NF-κB decoy oligonucleotide around diseased skin using a needleless syringe.
- 16. An agent for treating, ameliorating, or preventing a skin disorder, comprising a polynucleotide as an active ingredient, wherein the agent is introduced subcutaneously using a needleless syringe.
- 17. An agent for treating, ameliorating, or preventing a skin disorder, comprising a polynucleotide as an active ingredient, wherein the agent is injected/subcutaneously introduced around diseased skin using a needleless syringe.
 - 18. The agent of claim 16 or 17, wherein the polynucleotide is selected from a DNA, oligonucleotide, RNA, siRNA, and antisense.

- 19. The agent of any one of claims 16 to 18, comprising 10 μ g to 10 mg of the polynucleotide per dose as an active ingredient, wherein the agent is injected/subcutaneously introduced in portions to multiple sites around the diseased skin.
- 20. The agent of any one of claims 16 to 19, wherein the needleless syringe injects a pharmaceutical liquid by using a gas pressure or an elastic force of an elastic member to drive a piston.
- 21. The agent of claim 20, wherein the gas is helium, nitrogen, or air, and the elastic member is a spring.

- 22. The agent of any one of claims 16 to 21, wherein the polynucleotide is an HGF gene and/or PGIS gene.
- 23. The agent of any one of claims 16 to 22, wherein the oligonucleotide is an NF-κB decoy oligonucleotide comprising the sequence of SEQ ID NO: 1 or 2.
 - 24. The agent of any one of claims 16 to 23, wherein the skin disorder is a wound, cutaneous ulcer, or psoriasis.
- 25. The agent of any one of claims 16 to 24, wherein the wound is a post-surgical wound or a wound caused by an injury or accident.
 - 26. The agent of any one of claims 16 to 25, wherein the cutaneous ulcer is an intractable cutaneous ulcer.

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- 27. The agent of any one of claims 16 to 26, wherein the intractable cutaneous ulcer is a diabetic ulcer, bedsore (pressure ulcer), or ulcer associated with venous or arterial insufficiency.
- 28. An agent for treating, ameliorating, or preventing a wound or cutaneous ulcer, comprising an HGF gene and/or PGIS gene as an active ingredient, wherein the agent is injected/subcutaneously introduced around diseased skin using a needleless syringe.
 - 29. The agent of claim 28, comprising an HGF gene and a PGIS gene as active ingredients, wherein the agent is injected/subcutaneously introduced around diseased skin using a needleless syringe.
 - 30. An agent for treating, ameliorating, or preventing psoriasis, comprising an NF-κB decoy oligonucleotide as an active ingredient, wherein the agent is injected/subcutaneously introduced around diseased skin using a needleless syringe.
 - 31. Use of a polynucleotide for preparing an agent for treating, ameliorating, or preventing a skin disorder, wherein the agent is introduced subcutaneously using a needleless syringe.
- 35 32. Use of a polynucleotide for preparing an agent for treating, ameliorating, or preventing a skin disease, wherein the agent is injected/subcutaneously introduced around

diseased skin using a needleless syringe.

33. The use of claim 31 or 32, wherein the polynucleotide is any one selected from a DNA, oligonucleotide, RNA, siRNA, and antisense.

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34. The use of any one of claims 31 to 33, wherein 10 μ g to 10 mg of the polynucleotide per dose is injected/subcutaneously introduced in portions to multiple sites around the diseased skin.

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35. The use of any one of claims 31 to 34, wherein the needleless syringe injects the pharmaceutical liquid by using a gas pressure or an elastic force of an elastic member to drive a piston.

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36. The use of claim 35, wherein the gas is helium, nitrogen, or air, and the elastic member is a spring.

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37. The use of any one of claims 31 to 36, wherein the polynucleotide is an HGF gene and/or PGIS gene.

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38. The use of any one of claims 31 to 37, wherein the oligonucleotide is an NF- κ B decoy oligonucleotide that comprises the sequence of SEQ ID NO: 1 or 2.

cutaneous ulcer, or psoriasis.

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40. The use of any one of claims 31 to 39, wherein the wound is a post-surgical wound or a wound caused by an injury or accident.

39. The use of any one of claims 31 to 38, wherein the skin disorder is a wound,

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41. The use of any one of claims 31 to 40, wherein the cutaneous ulcer is an intractable cutaneous ulcer.

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42. The use of any one of claims 31 to 41, wherein the intractable cutaneous ulcer is a diabetic ulcer, bedsore (pressure ulcer), or ulcer associated with venous or arterial insufficiency.

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43. Use of an HGF gene and/or PGIS gene for preparing an agent for treating, ameliorating, or preventing a wound or cutaneous ulcer, wherein the agent is

injected/subcutaneously introduced around diseased skin using a needleless syringe.

- 44. The use of claim 43 of the HGF gene and PGIS gene for preparing an agent for treating, ameliorating, or preventing, wherein the agent is injected/subcutaneously introduced around diseased skin using a needleless syringe.
- 45. Use of an NF-κB decoy oligonucleotide for preparing an agent for treating, ameliorating, or preventing psoriasis, wherein the agent is injected/subcutaneously introduced around diseased skin using a needleless syringe.

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